Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/08/2015 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124405	-1	1.23	124188	1.18
Blue	F	SSC	125000	123743	-2	2.42	124639	2.07
Blue	E	FITC	17374	16776	-4	2.23	945	8.19
Blue	D	PE	22653	22154	-3	1.81	1000	7.55
Blue	B	PerCP-Cy5-5	64987	63928	-2	2.48	1683	11.96
Blue	A	PE-Cy7	74081	72733	-2	3.57	958	22.62
Red	C	APC	61430	60233	-2	2.64	3402	7.81
Red	A	APC-Cy7	88289	87860	-1	2.66	1734	7.61
Violet	B	V450	12535	12170	-3	2.80	753	6.99
Violet	A	V500	47468	45865	-4	2.36	2594	4.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20294	3.35	580	1	N/A	N/A	Pass
Blue	F	SSC	61893	1.44	494	5	N/A	N/A	Pass
Blue	E	FITC	104	33.36	511	2	0.0301	145	Pass
Blue	D	PE	209	23.17	504	3	0.1964	143	Pass
Blue	B	PerCP-Cy5-5	207	36.37	583	3	0.0135	14	Pass
Blue	A	PE-Cy7	74	88.44	640	3	0.0180	11	Pass
Red	C	APC	316	25.58	572	2	0.0234	38	Pass
Red	A	APC-Cy7	110	35.94	549	3	0.0053	695	Pass
Violet	B	V450	79	37.89	447	-2	0.0638	1995	Pass
Violet	A	V500	170	17.76	475	-3	0.0190	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.63	-31.40	0.89
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.31
Red	15.53	13.07 - 19.61	N/A	N/A	31.86	32.13	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9748

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments